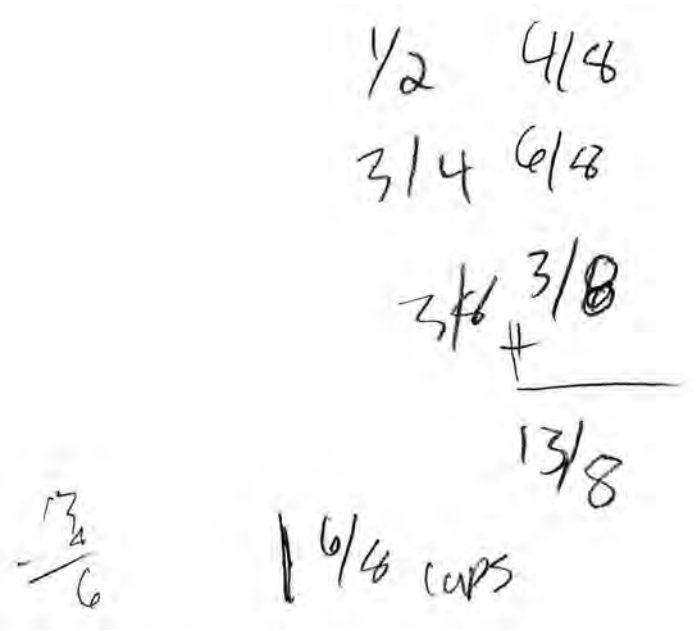
A Baking Problem

You are making cookies. The recipe says to combine $\frac{1}{2}$ cup butter with $\frac{3}{4}$ cups chocolate chips and $\frac{3}{8}$ cups butterscotch chips. Here are some questions.

1. When these ingredients are mixed together, how many cups of cookie dough will you have? Show your work. Explain your thinking.



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$\frac{1}{2} + \frac{3}{4} + \frac{3}{8} = \frac{13}{8}$ $1\frac{5}{8}$

you will have $1\frac{5}{8}$ cups of cookie dough.

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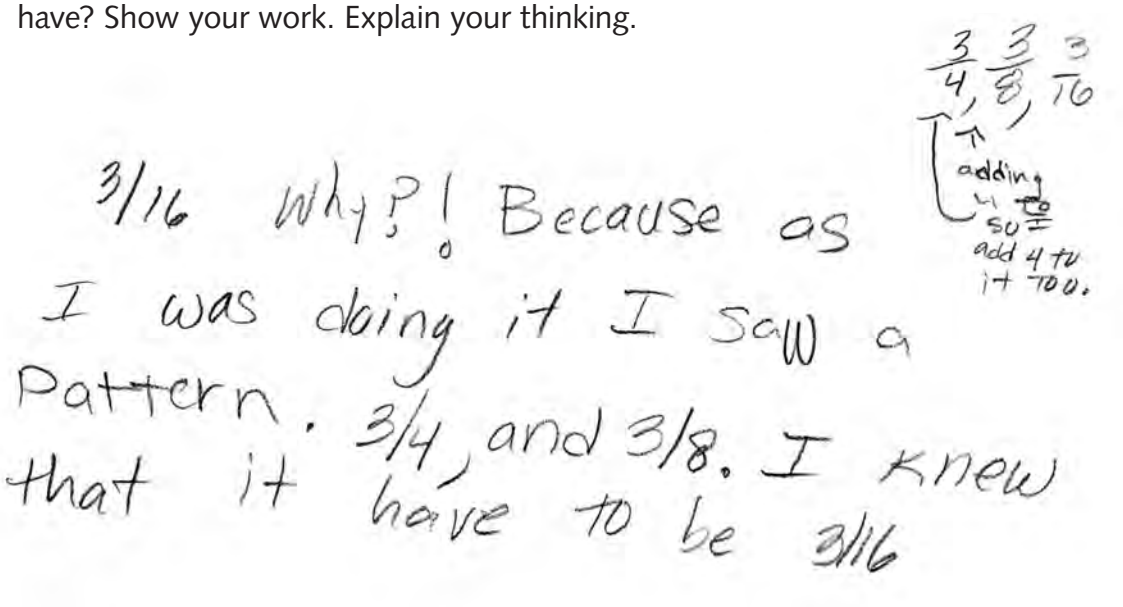

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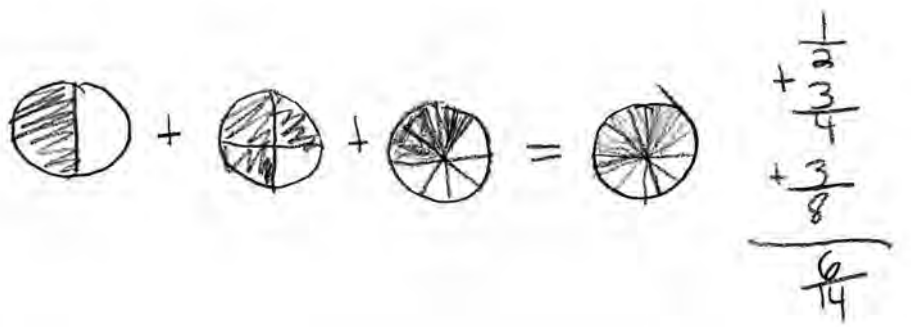

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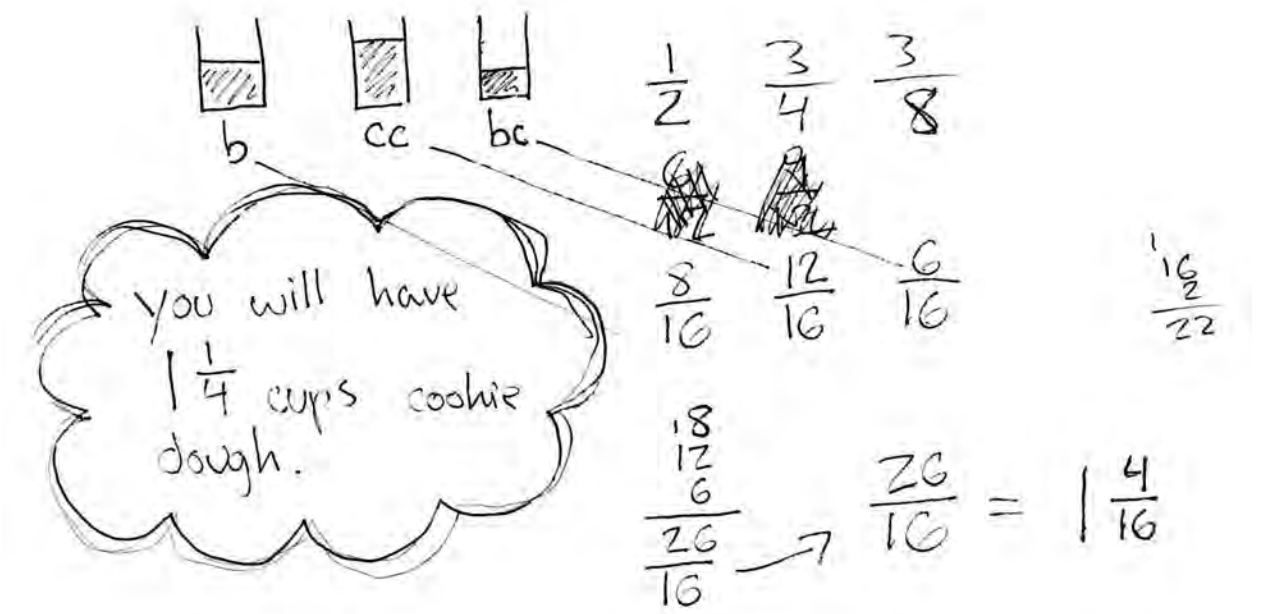

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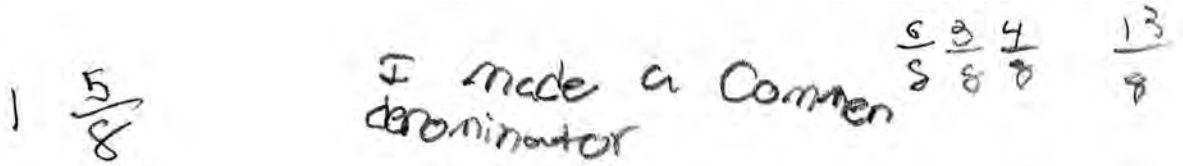

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$\frac{1}{2} + \frac{3}{4} + \frac{3}{8}$

$\frac{4}{8} + \frac{6}{8} + \frac{3}{8} = \frac{13}{8} = 1\frac{5}{8}$ cups of dough

To add fractions you have to have a common denominator, so I converted each fraction and added them. I converted my answer to a mixed number.

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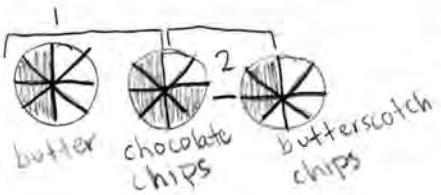

$2\frac{1}{8}$ cups of cookie dough

Reduce to eighths.